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Substitute for form 1449A-BP  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)	Complete if Known	
	Application Number	09/993,314
	Filing Date	November 5, 2001
	First Named Inventor	The T. Nikiforov
	Group Art Unit	1641
	Examiner Name	Unassigned
	Attorney Docket Number	01-054410US
Date Submitted	April 3, 2002	

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
AL	AA	5,942,443		Parce et al.	08-24-1999	
	AB	6,235,471		Knapp et al.	05-22-2001	
	AC	6,274,337		Parce et al.	08-14-2001	
	AD	6,287,520		Parce et al.	09-11-2001	
	AE	6,287,774		Nikiforov	09-11-2001	
✓	AF	6,306,590		Mehta et al.	10-23-2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	AG	WO	98/45481	A1	Caliper Technologies Corp.	10-15-1998		
	AH	WO	98/56956	A1	Caliper Technologies Corp.	12-17-1998		
	AI	WO	00/50172	A1	Caliper Technologies Corp.	08-31-2000		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T
	AJ	GRATE ET AL. (1999) "Sequential Injection Separation and Sensing." <i>Chemical Microsensors and Applications</i> !! 3857:70-73			
	AK	WEISS (1995) <i>Ion Chromatography</i> VCH Publications, Chapter 3, pages 25-208			
	AL	ZHANG AND WANG (1998) <i>J. Chromatogr</i> 712:73			
	AM	LANE ET AL. (1994) <i>J. Cell Biol.</i> 125:929-943			
	AN	JENO ET AL. (1993) <i>Anal. Biochem</i> 215:292-298			
	AO	BERNA ET AL. (1997) "Polyol Promoted Adsorption of Serum Proteins to Amphiphilic Agarose Based Adsorbents." <i>J. Chromatogr.</i> 764:193-200			
	AP	BERNA ET AL. (1996) "Cosolvent-Induced Adsorption and Desorption of Serum Proteins on an Amphiphilic Mercaptomethylene Pyridine-Derivatized Agarose Gel." <i>Arch. Biochem. And Biophys.</i> 330:188-192			

Examiner Signature		Date Considered	11/21/04
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449A-B/P

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STATEMENT BY APPLICANT

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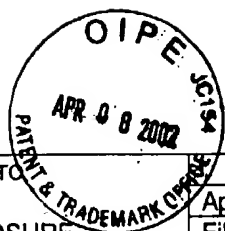
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<input checked="" type="checkbox"/>	AQ	GOHEEN AND GIBBINS (2000) "Protein losses in ion-exchange and hydrophobic interaction high-performance liquid chromatography." <i>J. Chromatogr.</i> 890(1):73-80	
<input checked="" type="checkbox"/>	AR	TEAL ET AL. (2000) Native purification of biomolecules with temperature-mediated hydrophobic modulation liquid chromatography." <i>Anal Biochem.</i> 283(2):159-65	
<input checked="" type="checkbox"/>	AS	TOSHIMA ET AL. (2000) "A New Model of Cerebral Microthromobsis in Rats and the Neuroprotective Effect of a Rho-Kinase Inhibitor." <i>Stroke</i> 31(9):2245-2250	
<input checked="" type="checkbox"/>	AT	MURATA ET AL. (2000) "Vascular endothelial growth factor (VEGF) enhances the expression of receptors and activates mitogen-activated protein (MAP) kinase of dog retinal capillary endothelial cells." <i>J. Ocul. Pharmacol. Ther.</i> 16(4):383-391	
<input checked="" type="checkbox"/>	AU	VERMES ET AL. (2000) "Particulate wear debris activates protein tyrosine kinases and nucleas factor kappaB, which down-regulates type I collagen synthesis in human osteoblasts." <i>J. Bone Miner Res.</i> 15(9):1756-1765	
<input checked="" type="checkbox"/>	AV	MARTELLI ET AL. (2000) "Phosphatidylinositol 3-kinase translocates to the nucleus of osteoblast-like MC3T3-E1 cells in response to insulin-like growth factor I and platelet-derived growth factor but not to the proapoptotic cytokin tumor necrosis factor alpha." <i>J. Bone Miner Res.</i> 15(9):1716-1730	
<input checked="" type="checkbox"/>	AW	CAVERZASIO ET AL. "Evidence for the involvement of two pathways in activation of extracellular signal-regulated kinase )Erk) and cell proliferation bu Gi and Gq protein-coupled receptors in osteoblast-like cells." <i>J. Bone Miner Res.</i> 15(9):1697-1706	
<input checked="" type="checkbox"/>	AX	SLEVIN ET AL. (2000) "Activation of MAP kinase (ERK-1/ERK-2), tyrosine kinase and VEGF in the human brain following acute ischaemic stroke." <i>Neuroreport</i> 11(12):2759-2764	
<input checked="" type="checkbox"/>	AY	MUNOZ ET AL. (2000) "Increase in the expression of the neuronal cyclin-dependent protein kinase cdk-5 during differentiation of N2A neuroblastoma cells." <i>Neuroreport</i> 11(12):2733-2738	
<input checked="" type="checkbox"/>	AZ	ROCHETTE-EGLY ET AL. (2000) "The AF-1 and AF-2 activating domains of retinoic acid receptor-alpha (RARalpha) and their phosphorylation are differently involved in pariental endodermal differentiation of F9 cells and retinoid-induced expression of target genes." <i>Mol. Endocrinol</i> 14(9):1398-410	
<input checked="" type="checkbox"/>	BA	BEGUM ET AL. (2000) "Regulation of Myosin-Bound Protein Phosphatase by Insulin in Vascular Smooth Muscle Cells: evaluation of the role of Rho kinase and phosphatidylinositol-3-kinase-dependent signaling pathways." <i>Mol. Endocrinol</i> 14(9):1365-1376	
<input checked="" type="checkbox"/>	BB	STOFE GA ET AL. (2000) "Mutation of the SHP-2 binding site in growth hormone (GH) receptor prolongs GH-promoted tyrosyl phosphorylation of GH receptor, JAK2, and STAT5B." <i>Mol Endocrinol</i> 14(9):1338-50	
<input checked="" type="checkbox"/>	BC	WANG ET AL. (2000) "Thyrotropin-releasing hormone stimulates phosphorylztion of the epidermal growth factor receptor in GH3 pituitary cells." <i>Mol. Endocrinol</i> 14(9):1328-1337	

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BD	WILMANN ET AL. (2000) "Activation of calcium/calmodulin regulates kinases." <i>Cell Mol Biol</i> 46(5):883-894
BE	GENET ET AL. (2000) "Effects of free radicals on cytosolic creatine kinase activities and protein by antioxidant enzymes and sulfhydryl compounds." <i>Mol Cell Biochem</i> 210(1-2):23-28
BF	KAYTOR ET AL. (2000) "An indirect role for upstream stimulatory factor in glucose-mediated induction of pyruvate kinase and S14 gene expression." <i>Mol. Cell Biochem</i> 210(1-2):13-21
BG	MIDDLETON (1990) "Hexokinases and glucokinases." <i>Biochem. Soc. Trans.</i> 18:180-183
BH	LINDBERG ET AL. (1992) "Dual-specificity protein kinases: will any hydroxyl do?" <i>Trends Biochem. Sci</i> 17:114-119
BI	KNIGHTON ET AL. (1991) "Crystal structure of the catalytic subunit of cAMP-dependent protein kinase." <i>Science</i> 253:407-414
BJ	FEATHERSTONE AND RUSSELL (1991) "Fission yeast p107 <sup>weel</sup> mitotic inhibitor as a tyrosine/serine kinase." <i>Nature</i> 349:808-811
BK	KEMP AND PEARSON (1990) "Protein kinase recognition sequence motifs." <i>Trends Biochem. Sci.</i> 15:342-346
BL	PAGANI ET AL. (2001) "%'-Nucleotidase in the detection of increased activity of the liver form of alkaline phosphatase in serum." <i>Clin. Chem.</i> 47(11):2046-2048
BM	ABE ET AL. (2001) "Extracellular matrix regulates induction of alkaline phosphatase expression by ascorbic acid in human fibroblasts." <i>J. Cell Physiol</i> 189(2):144-151
BN	DIRNBACH ET AL. (2001) "Mg <sup>2+</sup> binding to alkaline phosphatase correlates with slow changes in protein lability." <i>Biochemistry</i> 40(37):11219-11226
BO	TIEDTKE ET AL. (1983) "Acid phosphatase associated with discharging secretory vesicles (mucocysts) of <i>Tetrahymena thermophila</i> ." <i>Eur. J. Cell Biol</i> 30(2):254-257
BP	LUCHTER-WASYLEWSKA (2001) "Cooperative kinetics of human prostatic acid phosphatase." <i>Biochim. Biophys. Acta</i> 15489(2):257-264
BQ	PIERRUGUES ET AL. (2001) "Lipid phosphate phosphatase in Arabidopsis. Regulation of the AtLPP1 gene in response to stress." <i>J. Bio. Chem</i> 276(23):20300-20308
BR	WANG ET AL. (2001) "Protein phosphatase 1α-mediated stimulation of apoptosis is associated with dephosphorylation of the reinodlastoma protein." <i>Oncogene</i> 20(43):6111-6122
BS	TAN ET AL. (2001) "Phosphorylation of a novel myosin binding subunit of protein phosphatase 1 reveals a conserved mechanism in the regulation of actin cytoskeleton." <i>J. Biol. Chem</i> 276(24):21209-21216
BT	MOORE ET AL. (1985) "The involvement of glucose-6-phosphatase in mucilage secretion by

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		root cap cells of Zea mays." <i>Ann. Bot. (Lond)</i> 56:139-142	
	BU	ICHA ET AL. (2001) "Glucose 6-phosphate hydrolysis is activated by glucagon in a temperature-sensitive manner." <i>J. Biol. Chem</i> 276(30):28126-28133	
	BV	YE ET AL. (1996) "Inducer expulsion and the occurrence of an HPr(Ser-P)-activated sugar-phosphate phosphatase in <i>Enterococcus faecalis</i> and <i>Streptococcus pyogenes</i> ." <i>Microbiology</i> 142(Pt. 3):585-592	

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